## Bruhat Bangalore Mahanagara Palike
## Excecutive Engineer Yelahanka Zone Project Division

### Name of Work: Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.06

| | | | | | Estimate Cost Rs. | | | 99.00 Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
| 1 | Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 180.00 | | | | | | | |
| | Area weightage 6% | 10.80 | | | | | | | |
| | Sub total | 190.80 | | | | | | | |
| | Lead 10 km | **82.60** | | | | | | | |
| | Total | **273.40** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | CC Road | 1 | 190.00 | 7.80 | 0.30 | 444.60 | | | |
| | | 1 | 84.00 | 7.50 | 0.30 | 189.00 | | | |
| | Drain | 1 | 190.00 | 1.20 | 1.20 | 273.60 | | | |
| | | 2 | 84.00 | 1.20 | 1.20 | 241.92 | | | |
| | **Cross Road** | 1 | 25.00 | 1.20 | 1.10 | 33.00 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 1.20 | 1.20 | 198.72 | | | |
| | | | | | | **1380.84** | **Cum** | **273.40** | **377521.66** |
| 2 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18) | | | | | | | | |
| | Basic rate | 5115.00 | | | | | | | |
| | Area weightage 6% | 306.90 | | | | | | | |
| | Total | **5421.90** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | CC Road | 1 | 190.00 | 7.80 | 0.15 | 222.30 | | | |
| | | 1 | 84.00 | 7.50 | 0.15 | 94.50 | | | |
| | Drain | 1 | 190.00 | 1.20 | 0.15 | 34.20 | | | |
| | | 2 | 84.00 | 1.20 | 0.15 | 30.24 | | | |
| | **Cross Road** | 1 | 25.00 | 1.20 | 0.15 | 4.50 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 1.20 | 0.15 | 24.84 | | | |
| | | | | | | **410.58** | **Cum** | **5421.90** | **2226123.70** |

| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 3 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 6670.00 | | | | | | | |
| | Area weightage 6% | 400.20 | | | | | | | |
| | Total | **7070.20** | | | | | | | |
| | Drain | | | | | | | | |
| | Bottom slab | 1 | 190.00 | 1.10 | 0.15 | 31.35 | | | |
| | Drain Walls | 2 | 190.00 | 0.15 | 0.70 | 39.90 | | | |
| | Bottom slab | 2 | 84.00 | 1.10 | 0.15 | 27.66 | | | |
| | Drain Walls | 4 | 84.00 | 0.15 | 0.75 | 37.80 | | | |
| | **Cross Road** | 1 | 25.00 | 1.10 | 0.15 | 4.13 | | | |
| | **Cross Road** | 2 | 25.00 | 0.15 | 0.80 | 6.00 | | | |
| | **14th Cross LHS** | | | | | | | | |
| | Bottom slab | 1 | 138.00 | 1.10 | 0.15 | 22.77 | | | |
| | Drain Walls | 2 | 138.00 | 0.15 | 0.70 | 28.98 | | | |
| | | | | | | **198.59** | **Cum** | **7070.20** | **1404041.78** |
| 4 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 69804.00 | | | | | | | |
| | Area weightage 6% | 4188.24 | | | | | | | |
| | Total | **73992.24** | | | | | | | |
| | **For Drain** | | | | | | | | |
| | 70Kg/Cum of Concrete | | 198.59 | 70.00 | | 13.90 | | | |
| | | | | | | **13.90** | **Tn** | **73992.24** | **1028566.90** |
| 5 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | Data rate | 2337.00 | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | Drain | 1 | 190.00 | 0.90 | | 171.00 | | | |
| | | 2 | 84.00 | 0.90 | | 151.20 | | | |
| | **Cross Road** | 1 | 25.00 | 0.90 | | 22.50 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 0.90 | | 124.20 | | | |
| | | | | | | **468.90** | **Sqm** | **2337.00** | **1095819.30** |

| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 6 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6) | | | | | | | | |
| | Basic rate | 5422.00 | | | | | | | |
| | Area weightage 6% | 325.32 | | | | | | | |
| | Total | **5747.32** | | | | | | | |
| | **For Kerbstone** | | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | Drain | 1 | 190.00 | 0.20 | 0.10 | 3.80 | | | |
| | | 2 | 84.00 | 0.20 | 0.10 | 3.36 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 0.20 | 0.10 | 2.76 | | | |
| | | | | | | **9.92** | **Cum** | **5747.32** | **57,013.41** |
| 7 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27 | | | | | | | | |
| | Basic rate | 408.00 | | | | | | | |
| | Area weightage 6% | 24.48 | | | | | | | |
| | Total | **432.48** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | | 1 | 190.00 | | | 190.00 | | | |
| | | 2 | 84.00 | | | 168.00 | | | |
| | **14th Cross LHS** | 1 | 138.00 | | | 138.00 | | | |
| | | | | | | 496.00 | | | |
| | | | | | | **1102.00** | **Nos** | **432.48** | **476592.96** |
| 8 | KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. I.No.15.80, Page No.124 | | | | | | | | |
| | Basic rate | 37.00 | | | | | | | |
| | Area weightage 6% | 2.22 | | | | | | | |
| | Total | **39.22** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | | 1 | 190.00 | 0.40 | | 76.00 | | | |
| | | 2 | 84.00 | 0.40 | | 67.20 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 0.40 | | 55.20 | | | |
| | | | | | | **198.40** | **Sqm** | **39.22** | **7,781.25** |

| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 9 | KSRB 15-19.2 : Providing and applying spray painting in one coat (excluding priming coat ) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.82, Page No.124 | | | | | | | | |
| | Basic rate | 55.00 | | | | | | | |
| | Area weightage 6% | 3.30 | | | | | | | |
| | Total | **58.30** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | | 1 | 190.00 | 0.40 | | 76.00 | | | |
| | | 2 | 84.00 | 0.40 | | 67.20 | | | |
| | **14th Cross LHS** | 1 | 138.00 | 0.40 | | 55.20 | | | |
| | | | | | | **198.40** | **Sqm** | **58.30** | **11,566.72** |
| 10 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.( I No-20.5,P No-153) | | | | | | | | |
| | Basic rate | 1882.00 | | | | | | | |
| | Area weightage 6% | 112.92 | | | | | | | |
| | Total | **1994.92** | | | | | | | |
| | | | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | CC Road | 2 | 190.00 | 1.50 | 0.20 | 114.00 | | | |
| | | 2 | 84.00 | 1.50 | 0.20 | 50.40 | | | |
| | | | | | **Total** | **164.40** | | | |
| | | | | | | **164.40** | **Cum** | **1994.92** | **327964.85** |
| 11 | Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thickork as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1) | | | | | | | | |
| | Basic rate | 4916.00 | | | | | | | |
| | Area weightage 6% | 294.96 | | | | | | | |
| | Total | **5210.96** | | | | | | | |
| | **15th Cross** | | | | | | | | |
| | CC Road | 1 | 190.00 | 7.80 | 0.15 | 222.30 | | | |
| | | 1 | 84.00 | 7.50 | 0.15 | 94.50 | | | |

| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 316.80 | Cum | 5210.96 | 1650832.13 |
| | | | | | | | | Total Construction Cost | 8663824.65 |
| | | | | | | | | 12% GST | 1039658.96 |
| | | | | | | | | DPR & PMC Charges | 196000.00 |
| | | | | | | | | Sub Total | 9899483.61 |
| | | | | | | | | Miscellaneous & Rounding off | 516.39 |
| | GRAND TOTAL | | | | | | | | 9900000.00 |

**Certificate**

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
Yelahanka Project Division,
BBMP Bangalore

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer, 4/11/19
Yelahanka Project Division,
BBMP Bangalore

## Bruhat Bangalore Mahanagara Palike

## Name of Work: Construction of CC Drains and Roads in RK Hegdenagar 3nd Main and Surrounding Roads in Ward No.06

| | | | | | Estimate Cost Rs. | | | 99.00 Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
| 1 | Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19). | | | | | | | | |
| | Basic rate | 105.00 | | | | | | | |
| | Area weightage 6% | 6.30 | | | | | | | |
| | Total | **111.30** | | | | | | | |
| | **Drain** | | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | 1.65 | | 627.00 | | | |
| | 3rd Cross | 2 | 190.00 | 1.65 | | 627.00 | | | |
| | 4th Cross | 2 | 190.00 | 1.65 | | 627.00 | | | |
| | 5th Cross | 2 | 190.00 | 1.65 | | 627.00 | | | |
| | Center road | 1 | 147.00 | 1.65 | | 242.55 | | | |
| | | | | | **Total** | **2750.55** | | | |
| | Deduct 35% damaged/missing | | | | | 962.69 | | | |
| | | | | | | 1787.86 | | | |
| | consider 50% | | | | | **893.93** | | | |
| | | | | | | **893.93** | **Sqm** | **111.30** | **99494.27** |
| 2 | Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 180.00 | | | | | | | |
| | Area weightage 6% | 10.80 | | | | | | | |
| | Sub total | 190.80 | | | | | | | |
| | Lead 10 km | **82.60** | | | | | | | |
| | Total | **273.40** | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | 0.60 | 0.70 | 159.60 | | | |
| | 3rd Cross | 2 | 190.00 | 0.60 | 0.70 | 159.60 | | | |
| | 4th Cross | 2 | 190.00 | 0.60 | 0.70 | 159.60 | | | |
| | 5th Cross | 2 | 190.00 | 0.60 | 0.70 | 159.60 | | | |
| | Center road | 1 | 147.00 | 0.60 | 0.70 | 61.74 | | | |
| | **Culverts** | 5 | 7.50 | 1.60 | 1.00 | 60.00 | | | |
| | | | | | **Total** | **760.14** | | | |
| | | | | | | **760.14** | **Cum** | **273.40** | **207822.276** |
| 3 | Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. I.No.5.31.1, Page no 27). | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Basic rate | 700.00 | | | | | | | |
| | Area weightage 6% | 42.00 | | | | | | | |
| | Total | **742.00** | | | | | | | |
| | | | | | | | | | |
| | From item no. 1 | | | | | **895.62** | | | |
| | | | | | | **895.62** | **Sqm** | **742.00** | **664550.04** |
| 4 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18) | | | | | | | | |
| | Basic rate | 5115.00 | | | | | | | |
| | Area weightage 6% | 306.90 | | | | | | | |
| | Total | **5421.90** | | | | | | | |
| | | | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 4 | 190.00 | 0.20 | 0.15 | 22.80 | | | |
| | 3rd Cross | 4 | 190.00 | 0.20 | 0.15 | 22.80 | | | |
| | 4th Cross | 4 | 190.00 | 0.20 | 0.15 | 22.80 | | | |
| | 5th Cross | 4 | 190.00 | 0.20 | 0.15 | 22.80 | | | |
| | Center road | 2 | 147.00 | 0.20 | 0.15 | 8.82 | | | |
| | **Culverts** | 5 | 7.50 | 1.60 | 0.20 | 12.00 | | | |
| | | | | | **Total** | **112.02** | | | |
| | | | | | | **112.02** | **Cum** | **5421.90** | **607361.238** |
| 5 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 6670.00 | | | | | | | |
| | Area weightage 6% | 400.20 | | | | | | | |
| | Total | **7070.20** | | | | | | | |
| | **Culverts** | | | | | | | | |
| | Bottom slab | 5 | 7.50 | 1.60 | 0.20 | 12.00 | | | |
| | Drain Walls | 10 | 7.50 | 0.25 | 0.85 | 15.94 | | | |
| | | | | | **Total** | **27.94** | | | |
| | | | | | | **27.94** | **Cum** | **7070.20** | **197523.71** |
| 6 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 69804.00 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area weightage 6% | 4188.24 | | | | | | | |
| | Total | **73992.24** | | | | | | | |
| | **For culvert** | | | | | | | | |
| | 100Kg/Cum of Concrete | | 22.35 | 100.00 | | 2.24 | | | |
| | | | | | | **2.24** | **Tn** | **73992.24** | **165372.66** |
| 7 | KSRB 5-11 : Providing and constructing load bearing wall with having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 .-do- solid concrete blocks of size 400x150x200 mm (Page No.27. litem no.5.27.2 of KPWD S.R Bangalore Circle (2018-19) | | | | | | | | |
| | Basic rate | 953.00 | | | | | | | |
| | Area weightage 6% | 57.18 | | | | | | | |
| | Total | **1010.18** | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | | 0.40 | 152.00 | | | |
| | 3rd Cross | 2 | 190.00 | | 0.40 | 152.00 | | | |
| | 4th Cross | 2 | 190.00 | | 0.40 | 152.00 | | | |
| | 5th Cross | 2 | 190.00 | | 0.40 | 152.00 | | | |
| | Center road | 1 | 147.00 | | 0.40 | 58.80 | | | |
| | | | | | | **666.80** | **Sqm** | **1010.18** | **673588.02** |
| 8 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6) | | | | | | | | |
| | Basic rate | 5422.00 | | | | | | | |
| | Area weightage 6% | 325.32 | | | | | | | |
| | Total | **5747.32** | | | | | | | |
| | **Coping for Flagging** | | | | | | | | |
| | 2nd Cross | 4 | 190.00 | 0.15 | 0.10 | 11.40 | | | |
| | 3rd Cross | 4 | 190.00 | 0.15 | 0.10 | 11.40 | | | |
| | 4th Cross | 4 | 190.00 | 0.15 | 0.10 | 11.40 | | | |
| | 5th Cross | 4 | 190.00 | 0.15 | 0.10 | 11.40 | | | |
| | Center road | 2 | 147.00 | 0.15 | 0.10 | 4.41 | | | |
| | **For Kerbstone** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | 0.20 | 0.10 | 7.60 | | | |
| | 3rd Cross | 2 | 190.00 | 0.20 | 0.10 | 7.60 | | | |
| | 4th Cross | 2 | 190.00 | 0.20 | 0.10 | 7.60 | | | |
| | 5th Cross | 2 | 190.00 | 0.20 | 0.10 | 7.60 | | | |
| | Center road | 1 | 147.00 | 0.20 | 0.10 | 2.94 | | | |
| | | | | | | **83.35** | **Cum** | **5747.32** | **479039.12** |
| 9 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | DATA RATE | 2337.00 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2nd Cross | 2 | 190.00 | 0.90 | | 342.00 | | | |
| | 3rd Cross | 2 | 190.00 | 0.90 | | 342.00 | | | |
| | 4th Cross | 2 | 190.00 | 0.90 | | 342.00 | | | |
| | 5th Cross | 2 | 190.00 | 0.90 | | 342.00 | | | |
| | Center road | 1 | 147.00 | 0.90 | | 132.30 | | | |
| | missing slabs | 70 | 0.60 | 0.90 | | 37.80 | | | |
| | | | | | | **1538.10** | **Sqm** | **2337.00** | **3594539.7** |
| 10 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | Data rate | 5418.00 | | | | | | | |
| | | | | | | | | | |
| | **Culverts** | 5 | 7.50 | 1.50 | | 56.25 | | | |
| | | | | | | **56.25** | **Sqm** | **5418.00** | **304762.50** |
| 11 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27 | | | | | | | | |
| | Basic rate | 408.00 | | | | | | | |
| | Area weightage 6% | 24.48 | | | | | | | |
| | Total | **432.48** | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | | | 380.00 | | | |
| | 3rd Cross | 2 | 190.00 | | | 380.00 | | | |
| | 4th Cross | 2 | 190.00 | | | 380.00 | | | |
| | 5th Cross | 2 | 190.00 | | | 380.00 | | | |
| | Center road | 1 | 147.00 | | | 147.00 | | | |
| | | | | | | 1667.00 | | | |
| | | | | | | **3704.00** | **Nos** | **432.48** | **1601905.92** |
| 12 | KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. I.No.15.80, Page No.124 | | | | | | | | |
| | Basic rate | 37.00 | | | | | | | |
| | Area weightage 6% | 2.22 | | | | | | | |
| | Total | **39.22** | | | | | | | |
| | | | | | | | | | |
| | **Drain** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 3rd Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 4th Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 5th Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | Center road | 1 | 147.00 | 0.40 | | 58.80 | | | |
| | | | | | | **666.80** | **Sqm** | **39.22** | **26151.896** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 13 | KSRB 15-19.2 : Providing and applying spray painting in one coat (excluding priming coat ) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.82, Page No.124 | | | | | | | | |
| | Basic rate | 55.00 | | | | | | | |
| | Area weightage 6% | 3.30 | | | | | | | |
| | Total | **58.30** | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | 2nd Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 3rd Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 4th Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | 5th Cross | 2 | 190.00 | 0.40 | | 152.00 | | | |
| | Center road | 1 | 147.00 | 0.40 | | 58.80 | | | |
| | | | | | | **666.80** | **Sqm** | **58.30** | **38874.44** |
| | | | | | | | | **Total Construction Cost** | **8660985.79** |
| | | | | | | | | **12% GST** | **1039318.30** |
| | | | | | | | | **DPR & PMC CHARGES** | **199000.00** |
| | | | | | | | | **SUB TOTAL** | **9899304.09** |
| | | | | | | | | **Miscellaneous and roundig off** | **695.91** |
| | **GRAND TOTAL** | | | | | | | | **9900000.00** |

**Certificate**

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
Yelahanka Project Division,
BBMP Bangalore

Asst. Exec. Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

## Bruhat Bangalore Mahanagara Palike

### Name of Work: Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06

| | | | | | Estimate Cost Rs. | | | 99.00 Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
| 1 | Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27, I.No.5.33 of PW, P&IWTD SR 2018-19) | | | | | | | | |
| | Basic rate | 105.00 | | | | | | | |
| | Area weightage 6% | 6.30 | | | | | | | |
| | Total | **111.30** | | | | | | | |
| | | | | | | | | | |
| | **Drain Desilt** | | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 0.90 | | 396.00 | | | |
| | 1st Cross | 1 | 11.00 | 0.90 | | 9.90 | | | |
| | 2nd Cross | 2 | 108.00 | 0.90 | | 194.40 | | | |
| | 3rd Cross | 2 | 108.00 | 0.90 | | 194.40 | | | |
| | 4th Cross | 1 | 26.50 | 0.60 | | 15.90 | | | |
| | 5th Cross | 1 | 18.50 | 0.60 | | 11.10 | | | |
| | 6th Cross | 1 | 33.30 | 0.60 | | 19.98 | | | |
| | 7th Cross | 1 | 34.50 | 0.60 | | 20.70 | | | |
| | 8th Cross | 1 | 55.00 | 0.60 | | 33.00 | | | |
| | Cross Road A | 2 | 72.00 | 0.90 | | 129.60 | | | |
| | Cr-1 | 2 | 43.50 | 0.90 | | 78.30 | | | |
| | cross road | 2 | 43.50 | 0.90 | | 78.30 | | | |
| | | | | | | **1181.58** | | | |
| | Slabs damaged | | | | | 768.03 | | | |
| | | | | | | **413.55** | **Sqm** | **111.30** | **46,028.45** |
| 2 | Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 180.00 | | | | | | | |
| | Area weightage 6% | 10.80 | | | | | | | |
| | Sub total | 190.80 | | | | | | | |
| | Lead 10 km | **82.60** | | | | | | | |
| | Total | **273.40** | | | | | | | |
| | **Desilting** | | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 0.60 | 0.60 | 158.40 | | | |
| | 1st Cross | 1 | 11.00 | 0.60 | 0.60 | 3.96 | | | |
| | 2nd Cross | 2 | 108.00 | 0.60 | 0.60 | 77.76 | | | |
| | 3rd Cross | 2 | 108.00 | 0.60 | 0.60 | 77.76 | | | |
| | 4th Cross | 1 | 26.50 | 0.30 | 0.60 | 4.77 | | | |
| | 5th Cross | 1 | 18.50 | 0.30 | 0.60 | 3.33 | | | |
| | 6th Cross | 1 | 33.30 | 0.30 | 0.60 | 5.99 | | | |
| | 7th Cross | 1 | 34.50 | 0.30 | 0.60 | 6.21 | | | |
| | 8th Cross | 1 | 55.00 | 0.30 | 0.60 | 9.90 | | | |
| | Cross Road A | 2 | 72.00 | 0.60 | 0.60 | 51.84 | | | |
| | Cr-1 | 2 | 43.50 | 0.60 | 0.60 | 31.32 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | cross road | 1 | 43.50 | 0.60 | 0.60 | 15.66 | | | |
| | **CC ROAD** | | | | | | | | |
| | Dasarahalli main road | 1 | 220.00 | 5.50 | 0.40 | 484.00 | | | |
| | 1st Cross | 1 | 11.00 | 2.70 | 0.40 | 11.88 | | | |
| | 2nd Cross | 1 | 108.00 | 2.00 | 0.40 | 86.40 | | | |
| | 3rd Cross | 1 | 108.00 | 2.00 | 0.40 | 86.40 | | | |
| | 4th Cross | 1 | 26.50 | 2.50 | 0.40 | 26.50 | | | |
| | 5th Cross | 1 | 18.50 | 3.00 | 0.40 | 22.20 | | | |
| | 6th Cross | 1 | 33.30 | 3.00 | 0.40 | 39.96 | | | |
| | 7th Cross | 1 | 34.50 | 3.00 | 0.40 | 41.40 | | | |
| | 8th Cross | 1 | 55.00 | 3.00 | 0.40 | 66.00 | | | |
| | **Culverts** | 2 | 7.00 | 1.80 | 1.20 | 30.24 | | | |
| | | 8 | 4.00 | 1.80 | 1.20 | 69.12 | | | |
| | | | | | **Total** | **1411.00** | | | |
| | | | | | | **1411.00** | **Cum** | **273.40** | **385768.49** |
| 3 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18) | | | | | | | | |
| | Basic rate | 5115.00 | | | | | | | |
| | Area weightage 6% | 306.90 | | | | | | | |
| | Total | **5421.90** | | | | | | | |
| | | | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | Dasarahalli main road | 4 | 220.00 | 0.20 | 0.15 | 26.40 | | | |
| | 1st Cross | 2 | 11.00 | 0.20 | 0.15 | 0.66 | | | |
| | 2nd Cross | 4 | 108.00 | 0.20 | 0.15 | 12.96 | | | |
| | 3rd Cross | 4 | 108.00 | 0.20 | 0.15 | 12.96 | | | |
| | 4th Cross | 2 | 26.50 | 0.20 | 0.15 | 1.59 | | | |
| | 5th Cross | 2 | 18.50 | 0.20 | 0.15 | 1.11 | | | |
| | 6th Cross | 2 | 33.30 | 0.20 | 0.15 | 2.00 | | | |
| | 7th Cross | 2 | 34.50 | 0.20 | 0.15 | 2.07 | | | |
| | 8th Cross | 2 | 55.00 | 0.20 | 0.15 | 3.30 | | | |
| | Cross Road A | 4 | 72.00 | 0.20 | 0.15 | 8.64 | | | |
| | Cr-1 | 4 | 43.50 | 0.20 | 0.15 | 5.22 | | | |
| | cross road | 2 | 43.50 | 0.20 | 0.15 | 2.61 | | | |
| | **Culverts** | 2 | 7.00 | 1.80 | 0.15 | 3.78 | | | |
| | | 8 | 4.00 | 1.80 | 0.15 | 8.64 | | | |
| | **CC ROAD** | | | | | | | | |
| | Dasarahalli main road | 1 | 220.00 | 5.50 | 0.15 | 181.50 | | | |
| | 1st Cross | 1 | 11.00 | 2.70 | 0.15 | 4.46 | | | |
| | 2nd Cross | 1 | 108.00 | 2.00 | 0.15 | 32.40 | | | |
| | 3rd Cross | 1 | 108.00 | 2.00 | 0.15 | 32.40 | | | |
| | 4th Cross | 1 | 26.50 | 2.50 | 0.15 | 9.94 | | | |
| | 5th Cross | 1 | 18.50 | 3.00 | 0.15 | 8.33 | | | |
| | 6th Cross | 1 | 33.30 | 3.00 | 0.15 | 14.99 | | | |
| | 7th Cross | 1 | 34.50 | 3.00 | 0.15 | 15.53 | | | |
| | 8th Cross | 1 | 55.00 | 3.00 | 0.15 | 24.75 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total | 416.22 | | | |
| | | | | | | 416.22 | Cum | 5421.90 | 2256678.82 |
| 4 | KSRB 5-11 : Providing and constructing load bearing wall with having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 .-do- solid concrete blocks of size 400x150x200 mm (Page No.27. Iitem no.5.27.2 of KPWD S.R Bangalore Circle (2018-19) | | | | | | | | | |
| | Basic rate | 953.00 | | | | | | | |
| | Area weightage 6% | 57.18 | | | | | | | |
| | Total | **1010.18** | | | | | | | |
| | | | | | | | | | |
| | **Flagging Course** | | | | | | | | |
| | Dasarahalli main road | 4 | 220.00 | | 0.20 | 176.00 | | | |
| | 1st Cross | 2 | 11.00 | | 0.20 | 4.40 | | | |
| | 2nd Cross | 4 | 108.00 | | 0.20 | 86.40 | | | |
| | 3rd Cross | 4 | 108.00 | | 0.20 | 86.40 | | | |
| | 4th Cross | 2 | 26.50 | | 0.20 | 10.60 | | | |
| | 5th Cross | 2 | 18.50 | | 0.20 | 7.40 | | | |
| | 6th Cross | 2 | 33.30 | | 0.20 | 13.32 | | | |
| | 7th Cross | 2 | 34.50 | | 0.20 | 13.80 | | | |
| | 8th Cross | 2 | 55.00 | | 0.20 | 22.00 | | | |
| | Cross Road A | 4 | 72.00 | | 0.20 | 57.60 | | | |
| | Cr-1 | 4 | 43.50 | | 0.20 | 34.80 | | | |
| | cross road | 2 | 43.50 | | 0.20 | 17.40 | | | |
| | | | | | | **530.12** | **Sqm** | **1010.18** | **535516.62** |
| 5 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6) | | | | | | | | |
| | Basic rate | 5422.00 | | | | | | | |
| | Area weightage 6% | 325.32 | | | | | | | |
| | Total | **5747.32** | | | | | | | |
| | | | | | | | | | |
| | **Coping for Flagging Course** | | | | | | | | |
| | Dasarahalli main road | 4 | 220.00 | 0.15 | 0.10 | 13.20 | | | |
| | 1st Cross | 2 | 11.00 | 0.15 | 0.10 | 0.33 | | | |
| | 2nd Cross | 4 | 108.00 | 0.15 | 0.10 | 6.48 | | | |
| | 3rd Cross | 4 | 108.00 | 0.15 | 0.10 | 6.48 | | | |
| | 4th Cross | 2 | 26.50 | 0.15 | 0.10 | 0.80 | | | |
| | 5th Cross | 2 | 18.50 | 0.15 | 0.10 | 0.56 | | | |
| | 6th Cross | 2 | 33.30 | 0.15 | 0.10 | 1.00 | | | |
| | 7th Cross | 2 | 34.50 | 0.15 | 0.10 | 1.04 | | | |
| | 8th Cross | 2 | 55.00 | 0.15 | 0.10 | 1.65 | | | |
| | Cross Road A | 4 | 72.00 | 0.15 | 0.10 | 4.32 | | | |
| | Cr-1 | 4 | 43.50 | 0.15 | 0.10 | 2.61 | | | |
| | cross road | 2 | 43.50 | 0.15 | 0.10 | 1.31 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | For Kerb Stone | | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 0.20 | 0.10 | 8.80 | | | |
| | | | | | | **48.56** | **Cum** | **5747.32** | **279084.11** |
| 6 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. Item No 5.30, Page No.27 | | | | | | | | |
| | Basic rate | 408.00 | | | | | | | |
| | Area weightage 6% | 24.48 | | | | | | | |
| | Total | **432.48** | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | | | 440.00 | | | |
| | | | | | | 440.00 | | | |
| | | | | | | **978.00** | **Nos** | **432.48** | **422965.44** |
| 7 | KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. I.No.15.80, Page No.124 | | | | | | | | |
| | Basic rate | 37.00 | | | | | | | |
| | Area weightage 6% | 2.22 | | | | | | | |
| | Total | **39.22** | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 0.40 | | 176.00 | | | |
| | | | | | | **176.00** | **Sqm** | **39.22** | **6,902.72** |
| | | | | | | | | | |
| 8 | KSRB 15-19.2 : Providing and applying spray painting in one coat (excluding priming coat ) over concrete / masonry / asbestos cement sheet /plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.82, Page No.124 | | | | | | | | |
| | Basic rate | 55.00 | | | | | | | |
| | Area weightage 6% | 3.30 | | | | | | | |
| | Total | **58.30** | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 0.40 | | 176.00 | | | |
| | | | | | | **176.00** | **Sqm** | **58.30** | **10,260.80** |
| 9 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) wall & bottom thickness 15cm. | | | | | | | | |
| | Basic rate | 6670.00 | | | | | | | |
| | Area weightage 6% | 400.20 | | | | | | | |
| | Total | **7070.20** | | | | | | | |
| | **Culverts** | | | | | | | | |
| | Bottom slab | 2 | 7.00 | 1.50 | 0.20 | 4.20 | | | |
| | Drain Walls | 4 | 7.00 | 0.25 | 0.85 | 5.95 | | | |
| | Bottom slab | 8 | 4.00 | 1.50 | 0.20 | 9.60 | | | |
| | Drain Walls | 16 | 4.00 | 0.25 | 0.85 | 13.60 | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total | 33.35 | | | |
| | | | | | | 33.35 | Cum | 7070.20 | 235791.17 |
| 10 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19) | | | | | | | | |
| | Basic rate | 69804.00 | | | | | | | |
| | Area weightage 6% | 4188.24 | | | | | | | |
| | Total | **73992.24** | | | | | | | |
| | **For Drain** | | | | | | | | |
| | 100Kg/Cum of Concrete | | 33.35 | 100.00 | | 3.34 | | | |
| | | | | | | **3.34** | **Tn** | **73992.24** | **246764.12** |
| 11 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | Data rate | 2337.00 | | | | | | | |
| | | | | | | | | | |
| | damaged | | | | | 768.03 | | | |
| | missing slabs | 7 | 0.60 | 0.90 | | 3.78 | | | |
| | | | | | | **771.81** | **Sqm** | **2337.00** | **1803712.96** |
| 12 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | Data rate | 5418.00 | | | | | | | |
| | | | | | | | | | |
| | **Culverts** | 2 | 7.00 | 1.50 | | 21.00 | | | |
| | | 8 | 4.00 | 1.50 | | 48.00 | | | |
| | | | | | | **69.00** | **Sqm** | **5418.00** | **373842.00** |
| 13 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.( I No-20.5,P No-153) | | | | | | | | |
| | Basic rate | 1882.00 | | | | | | | |
| | Area weightage 6% | 112.92 | | | | | | | |
| | Total | **1994.92** | | | | | | | |
| | **CC ROAD Cut portion** | | | | | | | | |
| | Dasarahalli main road | 2 | 220.00 | 1.20 | 0.20 | 105.60 | | | |
| | 1st Cross | 1 | 11.00 | 1.00 | 0.20 | 2.20 | | | |
| | 2nd Cross | 1 | 108.00 | 1.00 | 0.20 | 21.60 | | | |
| | 3rd Cross | 1 | 108.00 | 1.00 | 0.20 | 21.60 | | | |
| | 4th Cross | 1 | 26.50 | 1.00 | 0.20 | 5.30 | | | |
| | 5th Cross | 1 | 18.50 | 1.00 | 0.20 | 3.70 | | | |
| | 6th Cross | 1 | 33.30 | 1.00 | 0.20 | 6.66 | | | |